



(19)

(11) Publication number:

**0**

Generated Document.

**PATENT ABSTRACTS OF JAPAN**(21) Application number: **63118439**(51) Intl. Cl.: **F16H 7/02 F16H 55/36 F16H**(22) Application date: **16.05.88**

(30) Priority:

(43) Date of application  
publication: **20.11.89**(84) Designated contracting  
states:(71) Applicant: **ORION MACH CO LTD**  
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**(54) DEVICE FOR  
GENERATING ROTATION  
VARIATION**

(57) Abstract:

**PURPOSE:** To simply obtain the variation of angular speed by mechanical control by forming a pulley installed on a driving shaft into a regular-polygonal or an elliptical shape and shifting the position of a driven side pulley with respect to the driving shaft side pulley.

**CONSTITUTION:** A regular-polygonal or elliptical shaped gear pulley 2 is installed on a driving shaft 1. A pulley 6 installed on a driven shaft 8 is formed with a regular-polygonal or elliptical shaped one at a multiple of integer or a fraction of integer of the driving shaft side pulley 2. The position of the driven side pulley 6 is shifted by  $\pi/m$  ( $m$  = the number of angles) with respect to the driving shaft side pulley 2. Thus, the variation of angular speed can be